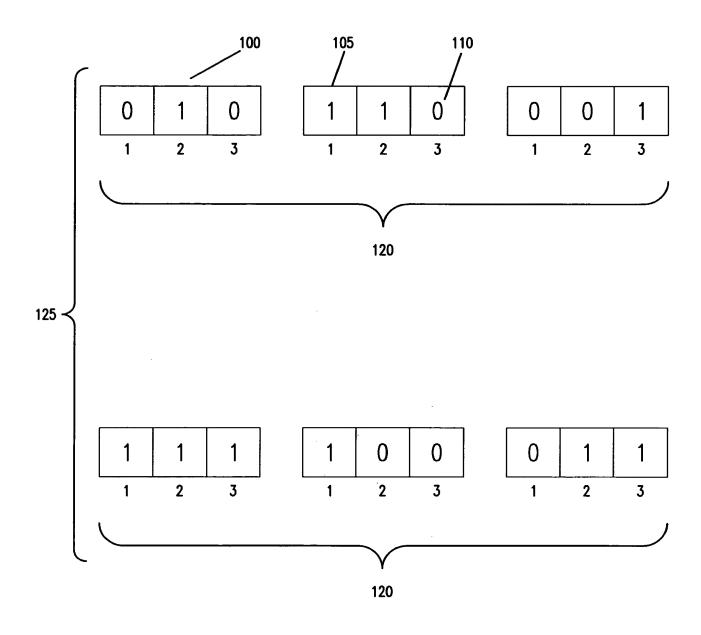
FIG.1



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Docket No 001421(M&G 13358.11USUI) Title: GI ALGORITHM OPTIMIZATION METHOD Serial No. 3,108 Batch No.: Sheet 2 of 8 -150 FIG.2 INITIALZATION 155 SELECT INITIAL POPULATION -160 DETERMINE FITNESS OF POPULATION 165 NO YES HAS CONVERGENGE CRITERIA BEEN ACHEIVED? 170 SELECT MATING POOL OUTPUT FINAL POPULATION TO USER 185 CREATE OFFSPRING 180 130 100 FIG.3A -100111 1 0 0 lo 0 001101 011000 0 0 0 1 1 1 -011000 111101 101010 <sub>-</sub>100' 120'~ -100111 1001 011000 001101 -011000 000000 111101 101010 100 132 130 FIG.3B 110011 1 0 1 0 0 0 001000 111010 120~ 001110 0 1 0 1 1 0 0 1 0 0 1 1 1 1 0 0 1 0 100 1 1 0 0 1 1 001000 1000 111010 120'~ ~001110 0 1 0 1 1 0 011001 1 1 0 0 1 0

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FIG.4A

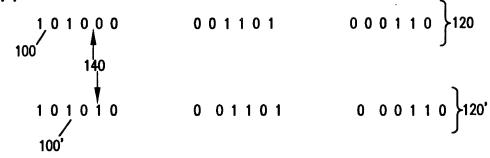


FIG.4B

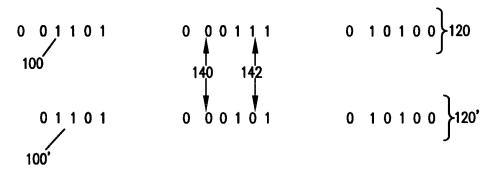


FIG.5

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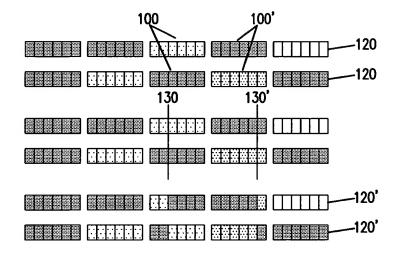
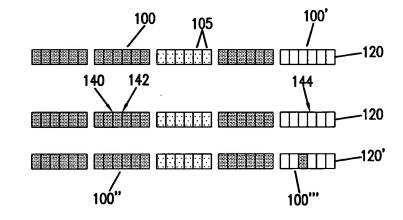
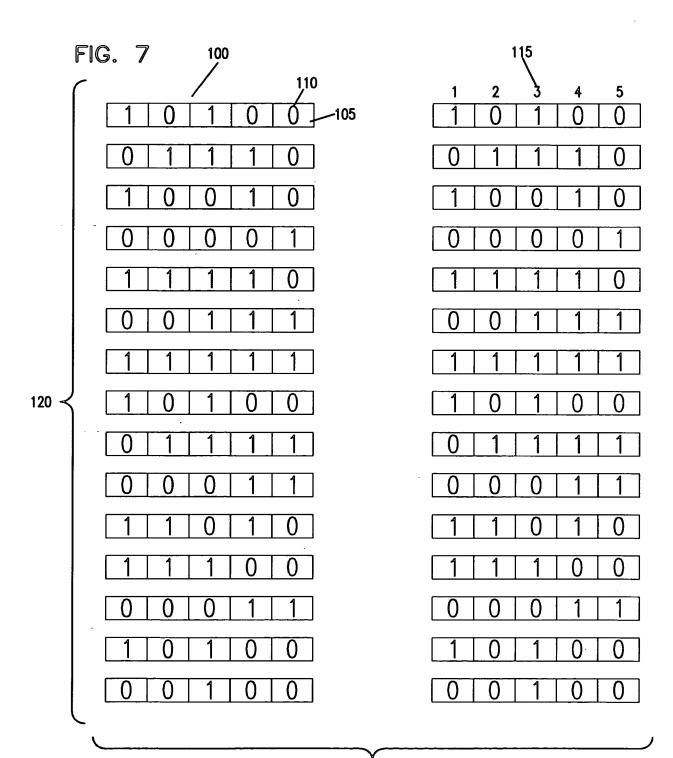


FIG.6





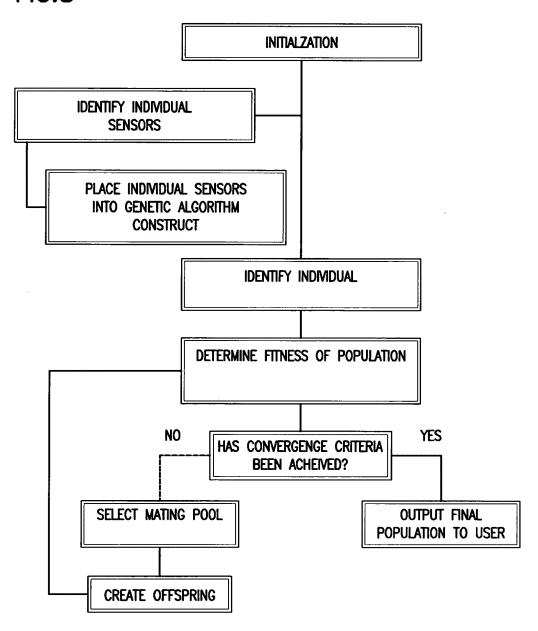
Inventor: BUCZAK ET AL.

Docket No. 10001421(M&G 13358.11USU1)

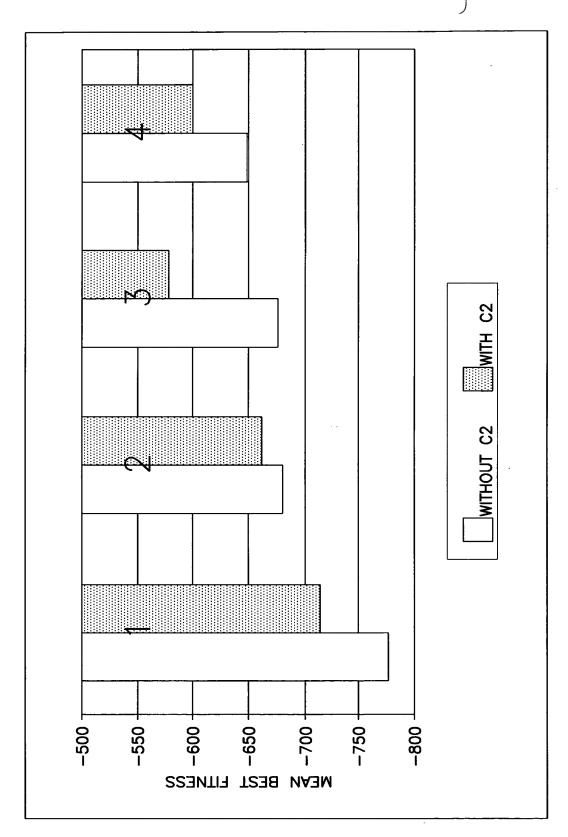
Title: G ALGORITHM OPTIMIZATION METHOD
Serial No. 893,108 Batch No.:

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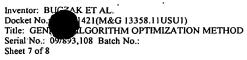
FIG.8



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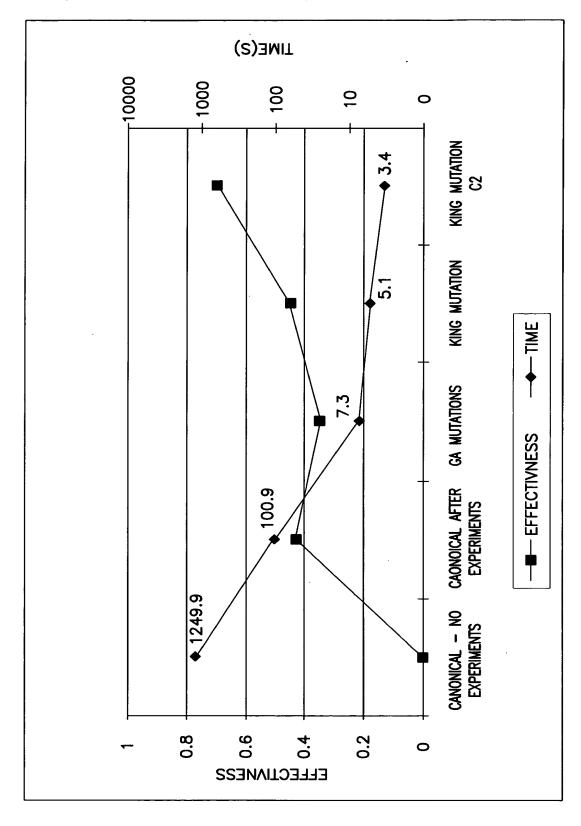


FIG.10

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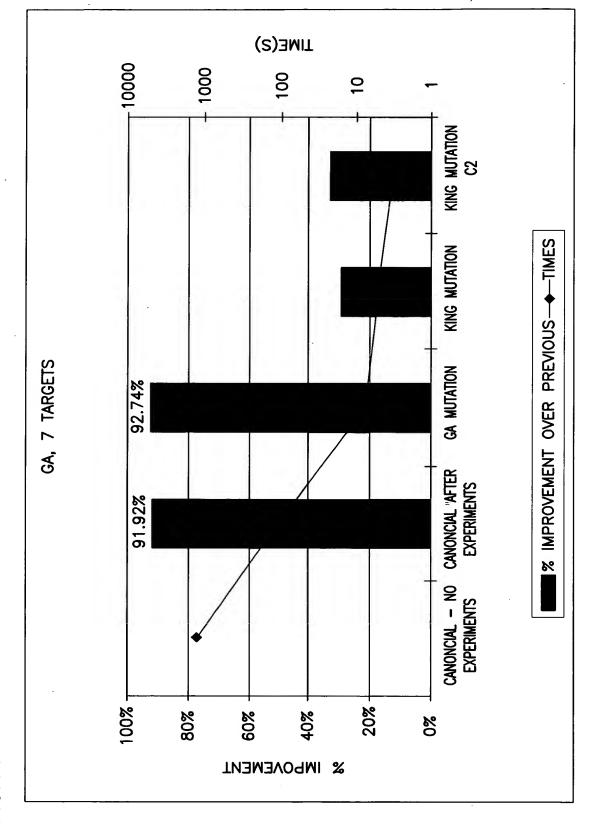


FIG.11